CONTENTS OF VOLUME 19, 1957

NUMBER 1, JANUARY

EDITORIAL

Reviewing of Manuscripts—*Charles D. May, M.D.* 1

ARTICLES

The Treatment of Acute Lead Encephalopathy in Children—*J. Julian Chisolm, Jr., M.D., and Harold E. Harrison, M.D.* 2

Congenital Defects of the Lymphatics in Infancy—*J. B. J. McKendry, M.D., W. K. Lindsay, M.D., and M. C. Gerstein, M.D.* 21

Acute Staphylococcal Pericarditis—*Jeanne M. Horan, M.D.* 36

Pheochromocytoma in Children. Report of Three Familial Cases in Two Unrelated Families—*Thomas E. Cone, Jr., M.D., Capt. (MC) U.S.N., Marvin S. Allen, M.D., Lt. (MC) U.S.N.R., and Howard A. Pearson, M.D., Lt. (MC) U.S.N.* 44

Spectrographic Comparison of Ranges of Vibration Frequency Among Some Innocent Cardiac Murmurs in Childhood and Some Murmurs of Valvular Insufficiency—*T. N. Harris, M.D., Herbert A. Saltzman, M.D., Herbert L. Needleman, M.D., and Leigh Lisker, Ph.D.* 57

Further Observations on Homeostatic Disturbance in Acrodynia—*Donald B. Cheek, M.D., D.Sc.* 68

Hemophilus Influenzae Type b Cellulitis—*Morris Green, M.D., and Mildred D. Fousek* 80

Neonatal and Maternal Thrombocytopenic Purpura Due to Quinine—*Alvin M. Mauer, M.D., William DeVaux, M.D., and M. E. Lahey, M.D.* 84

The Treatment of Familial Hypercholesterolemia with a Plant Sterol—*Abner H. Levkoff, M.D., and K. T. Knode, M.D.* 88

Persistent Diarrhea as the Predominant Symptom of Hirschsprung's Disease (Congenital Dilatation of Colon), Report of Two Cases—*Earl M. Stockdale, M.D., and C. Arden Miller, M.D.* 91

SPECIAL ARTICLES

Serious Untoward Reactions to Therapy with Cortisone and Adrenocorticotropin in Pediatric Practice (Part I)—*Robert A. Good, Ph.D., M.D., Robert L. Vernier, M.D., and Richard T. Smith, M.D.* 95

Psychiatric Study of Mentally Retarded Children of Preschool Age. Preliminary Report—*Katharine F. Woodward, M.D., and Miriam G. Siegel, Ph.D.* 119

Apparatus for Collection of Urine from Female Infants—*Ann H. Heeley, R.N., and Nathan B. Talbot, M.D.* 127

REVIEW ARTICLE

Acute Respiratory Diseases. Etiologic, Diagnostic and Therapeutic Considerations—*John M. Adams, M.D.* 129

AMERICAN ACADEMY OF PEDIATRICS

Proceedings—Solid Intrathoracic Masses in Children—*Gladys L. Boyd, M.D.* 142

—The Medical Aspects of Water Fluoridation—*Edward R. Schlesinger, M.D.* 156

—Clinical Conference. Tumor of the Heart—*Donald E. Cassels, M.D.* 162

LETTERS TO THE EDITOR 168

NEWS AND ANNOUNCEMENTS 170

NUMBER 2, FEBRUARY

EDITORIAL

Changes in the Editorial Board of Pediatrics—*Charles D. May, M.D.* 171

ARTICLES

Salmonellosis in Infants and Children. A Study of 100 Cases—*Wallace A. Clyde, Jr., M.D.* 175

Salmonella Osteomyelitis Complicating Sickle Cell Disease—*James G. Hughes, M.D., and David S. Carroll, M.D.* 184

Congenital Hypoplastic Anemia—*Howard A. Pearson, Lt., (MC) USN, and Thomas E. Cone, Jr., Capt., (MC) USN* 192

A Comparison of Oral and Intramuscular Benzathine Penicillin G for the Prevention of Streptococcal Infections and Recurrences of Rheumatic Fever—*Milton Markowitz, M.D., Charlotte Ferencz, M.D., and Alberto Bonet, M.D.* 201

Effect of Penicillins V and G on Carriers of Various Groups of Streptococci in a Children's Home—*Paul F. Wehrle, M.D., Harry A. Feldman, M.D., and Kenzo Kuroda, M.S.* 208

Pulmonary Lesions of Newborn Infants. A Statistical Study—*Benjamin H. Landing, M.D.* 217
Studies of Respiratory Insufficiency in Newborn Infants. I. Correlation of Tidal and Minute Volumes with the Trend of the Respiratory Rates in Premature Infants—*Herbert C. Miller, M.D., and Ned W. Smull, M.D.* 224
Concentration of Fibrinogen in the Plasma of Normal Newborn Infants—*Paul M. Taylor, M.D.* 233
Blood Prothrombin, Proconvertin and Proaccelerin in Normal Infancy: Questionable relationships to Vitamin K—*J. W. Fresh, M.S., J. H. Ferguson, M.D., F.A.C.P., C. Stamey, M.D., F. M. Morgan, B.S., and J. H. Lewis, M.D.* 241
Physicochemical Differences of Mucoproteins in Duodenal Fluid of Patients with Cystic Fibrosis of the Pancreas and Controls. Clinical Aspects—*Paul A. di Sant'Agnese, M.D., Zacharias Dische, M.D., and Antonina Danilczenko, B.S.* 252
Sciatic Neuropathy in Infants Related to Antibiotic Injections—*Labe Scheinberg, M.D., and Mollie Allensworth, M.D.* 261
Pseudotumor Cerebri—*Ralph Bryan Moore, M.D.* 266

SPECIAL ARTICLES

Serious Untoward Reactions to Therapy with Cortisone and Adrenocorticotropin in Pediatric Practice (Part II)—*Robert A. Good, Ph.D., M.D., Robert L. Vernier, M.D., and Richard T. Smith, M.D.* 272
Environmental Retardation (Hospitalism) in Infants Living in Families—*Rose W. Coleman, M.D., and Sally Provence, M.D.* 285
A Play Program and Its Function in a Pediatric Hospital—*Veronica B. Tisza, M.D., and Kristine Angoff* 293

REVIEW ARTICLE

Facial Paralysis in Children. Review of the Differential Diagnosis and Report of Ten Cases Treated with Cortisone—*Richmond S. Paine, M.D.* 303

CONTRIBUTORS' SECTION

Public Health, Nursing, Medical Social Work—*Myron E. Wegman, M.D., Contributing Editor*—Pediatrics in India in 1955—*Pinchas Robinson, M.D.* 317

AMERICAN ACADEMY OF PEDIATRICS

Proceedings—The Evolution of a Pediatric Society. Presidential Address—*Harry Bakwin, M.D.* 325
—Certain Features of the Nutritional Value of Milk: A Tribute to Gail Bordon. Borden Award Address—*A. A. Weech, M.D.* 330
—The Grulee Award 338
Report—Committee on Nutrition. Water Requirement in Relation to Osmolar Load as It Applies to Infant Feeding 339

LETTER TO THE EDITOR 342

NEWS AND ANNOUNCEMENTS 344

NEW PUBLICATIONS RECEIVED 350

NUMBER 3, MARCH

ARTICLES

Eczema Associated with Thrombocytopenic Purpura and Purulent Otitis Media. Report of Five Fatal Cases—*Carolyn C. Huntley, M.D., and Susan C. Deese, M.D.* 351
Severe Idiopathic Hypercalcemia of Infancy—*George L. Daeschner, M.D., and C. William Daeschner, M.D.* 362
A Screening Test for Cystic Fibrosis of the Pancreas Using Analysis of Saliva—*Wayne Hart, M.D., and Mansour J. Naime, M.D.* 372
A Case of Cryptococcus Neoformans Meningo-encephalitis Complicating Boeck's Sarcoid—*Harold Lepow, M.D., Leo Rubenstein, M.D., Foo Chu, M.D., and Joseph Shandra, M.D.* .. 377
Studies of Respiratory Insufficiency in Newborn Infants. II. Correlation of Hydrogenion Concentration, Carbon Dioxide Tension, Carbon Dioxide Content and Oxygen Saturation of Blood with Trend of Respiratory Rates—*Herbert C. Miller, M.D., Franklin C. Behrle, M.D., Ned W. Smull, M.D., and Richard D. Blim, M.D.* 387
Congenital, Multiple Peripheral Stenoses of the Pulmonary Artery—*Å. Gyllenswärd, M.D., H. Lodin, M.D., Å. Lundberg, M.D., and T. Möller, M.D.* 399
Comparative Frequency of Detection of Enteropathogenic E. Coli, Salmonella and Shigella in Rectal Swab Cultures from Infants and Young Children—*Merlin L. Cooper, M.D., Helen M. Keller, M.S., and Edward W. Waters, M.S.* 411

Studies on Ketosteroids in Urine of Normal Children Using Alumina Chromatographic Fractionation—*Minoru Masuda, Ph.D., and Thomas H. Holmes, M.D.* 424
Physiologic Studies on the Cardiovascular Status of Normal Newborn Infants (With Special Reference to the Ductus Arteriosus)—*Forrest H. Adams, M.D., and John Lind, M.D.* 431
A Simple Technique for the Diagnosis of Nonlipid Histiocytosis—*Captain Tom D. Moore, MC, USAF* 438
The Incidence of the Nephrotic Syndrome in Children—*Michael B. Rothenberg, M.D., and Walter Heymann, M.D.* 446
Trembling of the Chin—An Inheritable Dominant Character—*Burton J. Grossman, M.D.* 453

SPECIAL ARTICLES

The General State of American Pediatrics in 1855 with Particular Reference to Philadelphia—*Ernest Caulfield, M.D.* 456
Collaboration between Pediatrician and Child Psychiatrist in a Rural Medical Center. Case Studies Illustrating the Role of This Relationship in the Postgraduate Education of the Family Physician—*Andrew D. Hunt, Jr., M.D., and Morris Parmet, M.D.* 462

REVIEW ARTICLES

Cytomegalic Inclusion Disease: An Analysis of the Clinical Features Based on the Literature and Six Additional Cases—*Donald N. Medearis, Jr., M.D.* 467
Recent Advances in the Management of Renal Disease in Children (Part I)—*Wallace W. McCrory, M.D., and Duncan Macaulay, M.D., M.R.C.P.* 481

CONTRIBUTORS' SECTION

Education—*Grover F. Powers, M.D., Contributing Editor*—A Postgraduate Program for the Longitudinal Health Supervision of Infants—*Morris Green, M.D., and Mary Stark, M.S.S.* ... 499

AMERICAN ACADEMY OF PEDIATRICS

Proceedings—The Role of Oxygen in Retrolental Fibroplasia. E. Mead Johnson Award Address—*Arnall Patz, M.D.* 504

NEWS AND ANNOUNCEMENTS 525

BOOK REVIEWS 532

NEW PUBLICATIONS RECEIVED 542

NUMBER 4, PART I, APRIL

ARTICLES

Pneumocystis Carinii—Etiologic Agent of Interstitial Plasma Cell Pneumonia of Premature and Young Infants—*D. Carleton Gajdusek, M.D.* 543
Parenteral Administration of Reserpine in the Treatment of Hypertension Due to Acute and Chronic Nephritis. Clinical and Renal Hemodynamic Studies—*C. William Daeschner, M.D., John H. Moyer, M.D., William R. Bell, M.D., and John L. Clark, M.D.* 566
Tuberculous Meningitis Treated with Hydrocortisone and Cortisone—*Gershon Szabo, M.D., Velimir V. Sterk, M.D., and Shimon Berman, M.D.* 580
Galactose Tolerance in Glycogen Storage Disease—*Robert Schwartz, M.D., James Ashmore, Ph.D., and Albert E. Renold, M.D.* 585
Infantile Hemangioendothelioma of the Liver. Report of Three Cases—*Diane W. Crocker, M.D., and Robert S. Cleland, M.D.* 596
Incidence of Abnormal Urinary Findings in Children Exposed to the Atomic Bomb in Hiroshima—*Margaret P. Sullivan, M.D., and Yasushi Takahashi, M.D.* 607
Celontin® (PM-396) in the Treatment of Epilepsy—*Samuel Livingston, M.D., and Lydia Pauli, M.D.* 614
Repeated Psychometric Evaluations of Preschool Children with Cerebral Palsy—*Kate L. Kogan, Ph.D.* 619
Ophthalmologic Findings in Children with Cerebral Palsy—*Walter S. Schachat, M.D., Helen M. Wallace, M.D., Myra Palmer, M.D., and Beatric Slater, M.D.* 623

SPECIAL ARTICLE

A History of the Boston Floating Hospital 629

REVIEW ARTICLE

Recent Advances in the Management of Renal Disease in Children (Part II)—*Wallace W. McCrory, M.D., and Duncan Macaulay, M.D., M.R.C.P.* 639

CONTRIBUTORS' SECTION

Public Health, Nursing, Medical Social Work—*Myron E. Wegman, M.D., Contributing Editor*—Martha Eliot and the U.S. Children's Bureau 651

AMERICAN ACADEMY OF PEDIATRICS

Proceedings—Some Concepts of Plasma Protein Metabolism, A.D. 1956. E. Mead Johnson Award Address—*David Gitlin, M.D.* 657

—Early Recognition of Rheumatoid Disease with Comments on Treatment—*Robert D. Gauchat, M.D., and Charles D. May, M.D.* 672

—Prophylaxis of the Acute Asthmatic Attack in Infants and Children by the Use of Symptomatic Medication—*Jerome Glaser, M.D., and Marilyn F. Smelzer, M.D.* 680

—A Regional Plan of Integrated Medical Services for Handicapped Children—*Esther B. Clark, M.D.* 685

Clinical Conference. Bacterial Endocarditis—*Albert Dorfman, M.D.* 688

Report—Committee on Nutrition. The Conduct of Clinical Trials of Substances Proposed for the Nutrition of Infants and Children. Including a Critique of the Nitrogen Balance Technique for Measuring Protein Anabolism—*Charles U. Lowe, M.D., and Vivian Pessin, M.A.* 693

—Comparison of Teratogenic Chemicals in the Rat and Chick Embryos. An Exhibit with Additions for Publication—*M. Lois Murphy, M.D., C. P. Dagg, Ph.D., and David A. Karnofsky, M.D.* 701

NEWS AND ANNOUNCEMENTS 715

BOOK REVIEW 718

NUMBER 4, PART II, APRIL

Congenital Malformations and Obstetrics—*M. Edward Davis, M.D., and Edith L. Potter, M.D.* .. 719

Congenital Malformations and Pediatrics—*Josef Warkany, M.D.* 725

Varying Developmental Mechanisms in Teratology—*Bradley M. Patten, Ph.D.* 734

Genetics and Human Congenital Malformations—*James V. Neel, M.D., Ph.D.* 749

Is There Specificity of Action in Experimental Teratogenesis?—*James G. Wilson, Ph.D.* 755

Production of Congenital Anomalies in Mammals by Maternal Dietary Deficiencies—*Marjorie M. Nelson, PhD.* 764

Trends in Mammalian Teratology—*Salome Gluecksohn-Waelsch, Ph.D.* 777

Experimental Production of Congenital Cleft Palate: Genetic and Environmental Factors—*F. Clarke Fraser, Ph.D., M.D., B. E. Walker, Ph.D., and Daphne G. Trasler, M.Sc.* 782

The Philosophy of the Association for the Aid of Crippled Children in Relation to Grants for Medical Research—*Leonard W. Mayo* 788

NUMBER 5, MAY

ARTICLES

The Innocent (Functional) Cardiac Murmur in Children—*David H. Fogel, M.D.* 793

Neurologic Manifestations of Leukemia. Report of Three Cases in Children Simulating Acute Bacterial Meningitis—*Enid F. Gilbert, M.B.B.S., and E. Clarence Rice, M.D.* 801

Skin Turgor as a Quantitative Index of Dehydration in Rats—*Zvi Laron, M.D., and John D. Crawford, M.D.* 810

Skin Turgor as a Quantitative Index of Dehydration in Children—*Zvi Laron, M.D.* 816

The Maintenance Need for Water in Parenteral Fluid Therapy—*Malcolm A. Holliday, M.D., and William E. Segar, M.D.* 823

The Brazilian Experience in Prevention of Tuberculosis with a Concurrent Method of BCG Vaccination—*Mario Olinto, M.D.* 833

Concentration of Pyruvic Acid in the Blood of the Newborn Infant. Demonstration of Differences in Concentration between Maternal and Cord Circulation—*Romulo F. Gonzales, M.D., and Lytt I. Gardner, M.D.* 844

Association of Transposition of the Great Vessels and Rudimentary Right Ventricle, with and without Tricuspid Atresia—*Althea Kessler, M.D., and Paul Adams, M.D.* 851

Granular Cell Myoblastoma in Childhood. Report of an Unusual Case—*Harry C. Bishop, M.D., and Bernard M. Wagner, M.D.* 858

Acute Jejunal Obstruction Secondary to Traumatic Intramural Hematoma—*E. Earl Moody, M.D.* 863

Isolation of Type I Poliomyelitis Virus from Human Cerebrospinal Fluid—*Mary Godenne McCrea, M.D.* 869
Facial Paralysis in Poliomyelitis. A Follow-up of 58 Patients—*S. T. Winter, M.B.E., M.B., D.C.H.* 876
Studies of the Pharynx. I. Poliomyelitic Disabilities of the Upper Pharynx—*James F. Bosma, M.D.* 881
Hereditary and Environmental Factors in the Pathogenesis of Rheumatic Fever—*Eugene F. Diamond, M.D.* 908

SPECIAL ARTICLE
The Rheumatic Child and His World. An Ecologic Speculation—*Iago Galdston, M.D., F.A.P.A.* 916

REVIEW ARTICLE
Rabies Prophylaxis in Man—*Karl Habel, M.D.* 923

CONTRIBUTORS' SECTION
Education—*Grover F. Powers, M.D., Contributing Editor*—The Adolescent and Pediatric Education—*J. Roswell Gallagher, M.D.* 937

AMERICAN ACADEMY OF PEDIATRICS
Proceedings—Massive Resection of the Small Intestine in the Neonatal Period. Report of Two Successful Cases and Review of the Literature—*George P. Pilling, IV, M.D., and Samuel L. Cresson, M.D.* 940
—Neurologic Diseases in Infancy and Childhood. Summary of Seminar—*William A. Hawke, M.D., and John S. Prichard, M.D.* 949
—Use of Adrenal Hormones in Treatment. Summary of Round Table Discussion—*Alfred M. Bongiovanni, M.D., and Walter R. Eberlein, M.D.* 958
—Clinical Conference. Cystinosis—*Norman Kretchmer, M.D.* 962

LETTER TO THE EDITOR 967
NEWS AND ANNOUNCEMENTS 968
BOOK REVIEWS 975
NEW PUBLICATIONS RECEIVED 978

NUMBER 6, JUNE

ARTICLES
Coxa Plana—*Charles T. Ryder, M.D., John D. LeBouvier, M.D., and Rosamond Kane, M.D.* .. 979
The Arterial and Venous Glucose Tolerance Test in Obese and Nonobese Children—*Abol G. Mostofi, M.D., Heyworth N. Sanford, M.D., I. Pat Bronstein, M.D., and Gertrude Asrow, B.S.* 993
Acute Pancreatitis in Children—*David A. Blumenstock, M.D., James Mithoefer, M.D., and Thomas V. Santulli, M.D.* 1002
The Mental Prognosis in Hypothyroidism of Infancy and Childhood. A Review of 128 Cases—*David W. Smith, M.D., Robert M. Blizzard, M.D., and Lawson Wilkins, M.D.* 1011
Generalized Mast Cell Disease and Urticaria Pigmentosa. Report of a Case—*Thomas L. Rider, M.D., Arthur A. Stein, M.D., and John W. Abbuhl, M.D.* 1023
Mast Cell Leukemia Presenting as Urticaria Pigmentosa. Report of a Case—*William J. Waters, M.D., and Perpetua S. Lacson, M.D.* 1033
Congenital Absence of the Abdominal Musculature and Associated Anomalies. Review of Recent Literature and Four New Cases—*Seymour Metrick, M.D., Rowine H. Brown, M.D., and Arthur Rosenblum, M.D.* 1043
Studies of the Pharynx. II. Poliomyelitic Disabilities of the Lower Pharynx—*James F. Bosma, M.D.* 1053
Studies of the Pharynx. III. Occlusion of the Mesopharynx Resulting from Bulbar and Cervical Spinal Poliomyelitis—*W. H. Merritt, M.D., M. Nielsen, J. F. Bosma, M.D., W. A. Goates, Ph.D., R. Haskins, D.D.S., C. Ramsell, M.D., and R. H. Lamb, M.D.* 1080

SPECIAL ARTICLES
An Apparatus for Grading the Visual Acuity of Infants on the Basis of Opticokinetic Nystagmus —*John J. Gorman, M.D., David G. Cogan, M.D., and Sydney S. Gellis, M.D.* 1088
Testing of Visual Acuity in Preschool Children. Norms, Variables and a New Picture Test—*Henry F. Allen, M.D.* 1093

REVIEW ARTICLE
Idiopathic Pulmonary Hemosiderosis. Review and Report of Two Cases—*Konrad H. Soergel, M.D.* 1101

AMERICAN ACADEMY OF PEDIATRICS

Proceedings—Systemic Lupus Erythematosus and Syndromes Possibly Related—*M. A. Ogryzlo, M.D., and H. A. Smythe, M.D.* 1109
—Heart Pump and Oxygenator—*W. T. Mustard, M.D.* 1124
—Emotional Problems in Children. Summary of Round Table Discussion—*William S. Langford, M.D., Virginia N. Wilking, M.D., and Elma Olson, M.S.S.* 1129
—Cystic Fibrosis of the Pancreas. Excerpts from a Round Table Discussion—*Paul A. di Sant'Agnese, M.D., and Charles Upton Lowe, M.D.* 1136
—Clinical Conference. Pulmonic Stenosis—*Mary Allen Engle* 1139

LETTERS TO THE EDITOR 1148

NEWS AND ANNOUNCEMENTS 1154

BOOK REVIEWS 1157

INDEX 1165